

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Agere Systems Inc.

Application No./Patent No.: 09/427,802

Filed/Issue Date: October 27, 1999

Entitled: **FUZZY LOGIC SYSTEM WITH EVOLUTIONARY VARIABLE RULES**

Agere Systems Inc.

, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventor To: Lucent Technologies Inc.

The document was recorded in the United States Patent and Trademark Office at
Reel 010490, Frame 0154, or for which a copy thereof is attached.

2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: Agere Systems Guardian corp. To: Agere Systems Inc.

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

JUNE 25, 2003

Date

(215) 923-4466

Telephone number

Mark D. Simpson

Typed or printed name

Mark D. Simpson

Signature

Attorney of Record

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE D FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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BOARD OF PATENT APPEALS
AND INTERFERENCES

Delaware

PAGE 1

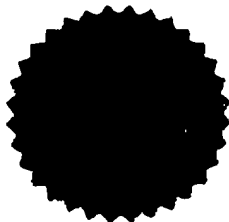
The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION, WITE AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

3268412 B100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 08/29/2002
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CERTIFICATE OF OWNERSHIP AND MERGER

OF

Agere Systems Guardian Corp.
(a Delaware corporation)

INTO

Agere Systems Inc.
(a Delaware corporation)

**UNDER SECTION 253 OF THE GENERAL
CORPORATION LAW OF THE STATE OF DELAWARE**

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), **DOES HEREBY CERTIFY:**

FIRST: The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

SECOND: On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

RESOLVED that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

THIRD: That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

AGERE SYSTEMS INC.

By Paul Bento
Paul Bento, Vice President

EXECUTION COPY

PATENT ASSIGNMENT

by and between

LUCENT TECHNOLOGIES INC.

and

AGERE SYSTEMS GUARDIAN CORP.

Dated as of January 30, 2001

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent


Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

Execution Copy

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

LUCENT TECHNOLOGIES INC.

By: 
Daniel P. McCurdy
President, Intellectual Property Business

AGERE SYSTEMS GUARDIAN CORP.

By: 
Fred M. Romano
President

Execution Copy

ACKNOWLEDGMENTS

STATE OF NEW JERSEY)

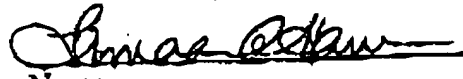
: ss:

COUNTY OF SOMERSET)

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and

b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name TAMORA ANNE HANNA
Notary Public Notary Public of New Jersey
My Commission Expires ~~Registered in Hunterdon County~~
[Notarial Seal] My Commission Expires March 25, 2002

STATE OF FLORIDA)

: ss:

COUNTY OF ORANGE)

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp. ; and

b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name
Notary Public
My Commission Expires:
[Notarial Seal]



APPENDIX B (continued)
Transferred Patents

Case Name	Filing Date	Issue Date	Patent No.	Serial No.
Kaxiras 2-2	6/9/2000			09/581919
Kaxiras 7-17-2	10/25/2000		60/243173	
Ke 4	7/28/1997		08/901250	
Keemey 1-8	4/30/1997		08/846743	
Kelley 2-19-13	12/14/1999			09/480912
Kelley 6-30-19	12/13/1999			09/480160
Kelley 7-28-21	12/14/1999			09/480852
Kelley 9-7-31-22-25	5/31/2000			09/583505
Kempsey 2	7/22/1999		09/120399	
Kermani 11	1/5/1999			09/225642
Kermani 12	1/5/1999			09/225641
Kermani 13-1-1	1/5/1999			09/225654
→ Kermani 14	10/27/1999			09/427802
Kermani 16	1/25/1999			09/238178
Kermani 17	3/3/1999			09/282150
Kermani 2	5/13/1998		09/078037	
Kermani 23	3/8/1999			09/263075
Kermani 24	3/8/1999			09/283074
Kermani 3	5/13/1998		09/078735	
Kermani 31	10/18/1999			09/418522
Kermani 39	12/21/1999			09/488721
Kermani 40	12/9/1999			09/458130
Kermani 41	12/28/1999			09/473389
Kermani 42	12/2/1999			09/453025
Kermani 44	1/13/2000			09/482082
Kermani 4-6	6/12/1999		09/075948	
Kermani 8	2/12/1999	7/11/2000	6088254	09/249872
Kermani 9	12/18/1998			09/215805
Kem 8-1	9/14/1999			09/395820
Khojnt-Poorford 10-19	11/2/1999			09/431890
Khojnt-Poorford 4	10/14/1998			09/172378
Khojnt-Poorford 5-1	1/28/1999			09/238990
Khojnt-Poorford 6-1	4/15/1999			09/293510
Khojnt-Poorford 7-2-12	10/1/1999			09/411152
Khojnt-Poorford 8-1	5/3/2000			09/563874
Khojnt-Poorford 9-2-11	11/5/1999			09/434585
Khoury 13	5/13/1999	5/18/2000	6084614	09/311049
Kibar 1-12	8/21/1998		09/138177	
Kibar 2-13	8/28/1998		09/143170	
Kim 11-4	3/25/1998		09/048537	
Kim 8-8	8/15/2000		09/839259	
Kim 8-13	8/2/1997		08/887351	
Kimmel 1	11/22/1999			09/444098
Kimura 2	11/18/1999			09/442976
Kimura 3	10/22/1999			09/425703
King 13-13	3/12/1998		09/042388	
King 14-19	7/31/1998	7/11/2000	6087683	
King 18-1	1/7/2000			60/174999
Kinget 3-2	9/17/1999			09/398371
Kizilyalli 16-28-42-3	1/20/1999		09/009605	
Kizilyalli 21-3	4/18/1999		09/081763	
Kizilyalli 23	8/13/1998		09/133388	
Kizilyalli 24-35-52	9/15/1999		09/153522	
Kizilyalli 25-38-12	11/17/1999			09/441676
Kizilyalli 27-39-13	8/3/1999			09/324946
Kizilyalli 29-40-59	12/11/1998			09/209787
Kizilyalli 30-41-60-40	12/11/1998			09/209788
Kizilyalli 31-14	3/2/1999			09/260947
Kizilyalli 33	8/31/1999			09/386682
Kizilyalli 35-35-16-79	4/28/1999			09/301397

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**AGREEMENT REGARDING
POWERS OF ATTORNEY**

by and between

LUCENT TECHNOLOGIES INC.

and

AGERE SYSTEMS INC.

Dated as of February 1, 2001

AGREEMENT REGARDING POWERS OF ATTORNEY

This Agreement is effective as of February 1, 2001 between LUCENT TECHNOLOGIES INC., a Delaware corporation ("LUCENT"), having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, for itself and on behalf of its Subsidiaries (each and all herein after "LUCENT") and AGERE SYSTEMS INC., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("AGERE").

WHEREAS, the Board of Directors of LUCENT has determined that it is in the best interests of LUCENT and its stockholders to separate LUCENT's existing businesses into two independent businesses; and

WHEREAS, as part of the foregoing, LUCENT has assigned certain United States and corresponding foreign patents and patent applications to AGERE, which patents and applications were filed in the name of LUCENT and various of its subsidiaries and predecessors, including AT&T Corp., a New York corporation and various of its subsidiaries; and

WHEREAS, in order to effect its rights under such patents and to prosecute such patent applications, including recording such assignments, AGERE representatives need Power of Attorney from LUCENT and predecessors of LUCENT.

THEREFORE, LUCENT agrees to provide AGERE employees and employees of AGERE affiliated companies with Powers of Attorney in the form attached to act for LUCENT, any of its wholly-owned subsidiaries, and any of such predecessors with respect to such issued patents and pending patent applications in the names of LUCENT, such subsidiaries or any of such predecessors.

AGERE agrees to use such Powers of Attorney only with respect to those certain patents and patent applications which were assigned to AGERE by LUCENT.

LUCENT TECHNOLOGIES INC.

By: 
Daniel P. McCurdy
President - Intellectual Property Business

Date: 1/30/01

AGERE SYSTEMS INC.

By: 
Gerard A. deBlasi
Vice President - Law

Date: 1/30/01

GENERAL APPOINTMENT OF AGENT

And

POWER OF ATTORNEY

Lucent Technologies Inc., for itself and its subsidiaries, and as successor in interest to patents of AT&T Corp. and its subsidiaries, hereby appoints:

Gerard A. deBlasi
Fred M. Romano
Scott W. McLellan
Richard J. Botos
Marie MacNichol
Geraldine Monteleone
Scott Rittman
Anthony Grillo
David Smith
Robert P. Marley
John Veschi
Mark Kurisko
Les Birnbaum

as agents and attorneys to act on its and on Lucent Technologies Inc.'s behalf before any competent National and International Authorities in connection with any and all patents and patent applications filed by Lucent Technologies Inc., its wholly-owned subsidiaries or its predecessors, or issued or pending in the name of Lucent Technologies Inc., or any of its wholly-owned subsidiaries or predecessors, with the power to further appoint agents, and grant powers of attorney in connection therewith.

Lucent Technologies Inc.

By: 

Daniel P. McCurdy

President - Intellectual Property Business

Date: 1/30/01